

#4-40x½" Screw 4 Places

Parts List

Hammond Enclosure 1591XXSSBK (Black)

1 PCB

4

Cut

5 Anderson Power Pole Pairs Red/ Black and contacts. 10 Blue Faston connectors or AMP/TE 1217080 Terminal

5 ATO Auto Fuse

½" Plastic or Nylon Spacer (Purchased or Locally Made)

4 4-40x 1/2" Screw

1' 14 or 12 AWG Solid Wire (Cut from Romex)

1 Option Green T1% LED

1 Option Red/Green T1% Bidirectional LED Option 1200 ohm resistor 1/4W for LED 1

1 Option Bayite DVM Module

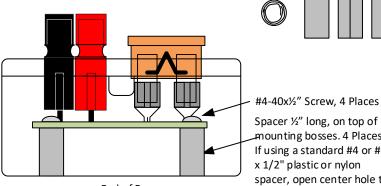
2 Option 4-40x¼" screw for mounting DVM Module

4 Option #4 flat washer for mounting DVM Module 1 Option JST XH Male connector for LED

1 Option JST Female Pigtail for LED

AR Solder As Required.

AR 14 AWG or 12 AWG wire for Input As Required.

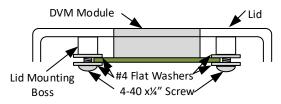


End of Box Hammond 1591XXSSBK

Spacer ½" long, on top of mounting bosses. 4 Places. If using a standard #4 or #6 x 1/2" plastic or nylon spacer, open center hole to fit over mounting boss. Start with a 13/64" or #6 drill.

A spacer can be made from a plastic drinking straw, .25" in diameter. Cut three pieces 0.5" long. Split 2 pieces lengthways. Wrap up and slip inside uncut piece. Place over mounting boss. This grips the mounting boss well.

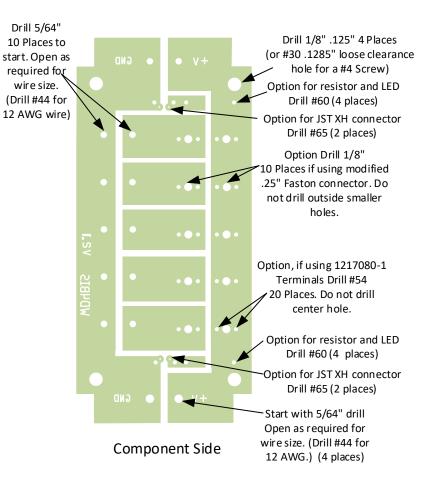
DVM Module Mounting

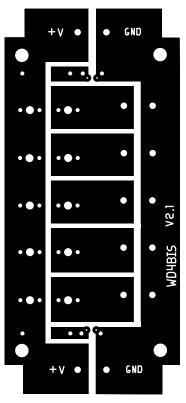


Date:	Revision/Addition/ Note	By:
Feb. 24, 2019	Initial Drawing	GSČ
Feb. 24, 2019	Mounting of board into box. Pre thread the mounting bosses with a	GSC
	4-40x ¼" screw by hand slowly.	
Feb. 25, 2019	Added details on locally made spacers.	GSC
Mar. 1, 2019	Added parts list.	GSC
Mar. 1, 2019	Added note on using a standard nylon spacer and modifying to fit over mounting boss. (www.boltdepot.com Par# 13750)	GSC
Mar. 1, 2019	Added DVM Module mounting details.	GSC

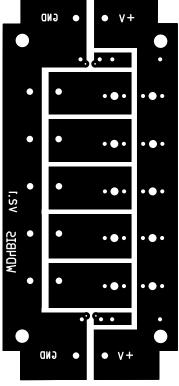
Print Check

Drawn Bv:	Gerald Crenshaw WD4BIS	^{Date:} Feb. 24, 2019	From the bench of:	Page	2
Designed Bv:	Gerald Crenshaw WD4BIS	Date: Feb. 24, 2019	Amateur Radio Station WD4BIS	of	4
Che cked		Date: Feb. 24, 2010	Title:	Scale:	





Copper Side



Mirror Image (Flipped Horizontal)

Duto.	INCVISION/Addition/ NOCC	
	Initial Drawing	GŚC
Feb. 19, 2019	PCB drill schedule showing the various options.	GSC
Feb. 19, 2019	With the change to Windows 10, lost the ability to print mirror	ı
	image. Visio will not flip text. Have to use drawn text.	1
Feb. 19, 2019	Added drawn text. Grouped and flipped horizontal for a mirr or image	GSC
Feb. 22, 2019	Added update to drill schedule for #44 drill for solid 12AWG Wire.	GSC
Feb. 24, 2019	Adjusted input output spacing to allow mounting of additional	GSC
	Power Pole at either end. Added +V and Gnd text to both ends.	1
	Centered some lines. Made enough small changes to change the	1
	version of the board to 2.1	1
Feb. 24, 2019	Barrel Diameter of the modified Blue Faston Terminal changes	GSC
	Vendor to Vendor. Start with 1/8" drill and open as required.	
Feb. 24, 2019	·	GSC
	ends of PCB.	1
		ı
		ı

Revision/Addition/ Note

Drawn Text

ABCDEFGHIJKLMNOPQRSTUVWXYZ

OO11223456789 IN OUT +WO4BIS

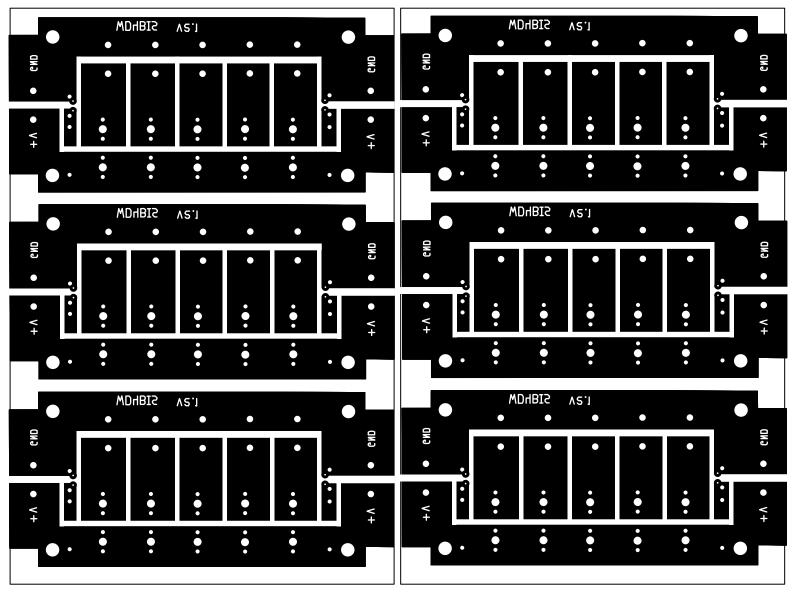
Print Check .5"x.5"

Drawn By:	Gerald Crenshaw WD4BIS	^{Date:} Feb. 17, 2019	
Designed By:	Gerald Crenshaw WD4BIS	^{Date:} Feb. 17, 2019	Title
Checked By:	Janet Crenshaw WB9ZPH	Date: Feb. 17, 2019]

From the bench of: Amateur Radio Station WD4BIS

Page 3 of 4 Scale:

APP DC Box V2. PCB & Drill Schedule



Mirror Image Mirror Image

Feb. 20, 2019	Revision/Addition/ Note Initial Drawing The copper clad blanks I can buy now are 4"x6". Adjusted dimensions until I could get 3 of the boards on one 4"x6" blank. Replaced V2 with V2.1 boards.		GSĆ Pa	Paper/Qu	IP Laserjet P3005, Staples Color Laser Paper, SKU 633215 lality Pro Res 1200 DPI ss, 300 degrees F for 150 seconds. (2.5 min.)	Drawn Text	
						RECEPEUL JULIANDO PARS TUVIXIV DOI 1229456789 IN OUT WO-VERT Print Check .5 "x.5"	
Dy.	erald Crenshaw WD4BIS	Date: Feb. 20, 20			From the bench of: Amateur Radio Station WD4BIS	Page 4	
Designed By:	erald Crenshaw WD4BIS	Date: Feb. 20, 20	019	Title:	Amateur Radio Station WD4BiS	Of 4	
Checked Janet Crenshaw WB9ZPH Date: Feb. 20, 20			1	APP DC Box V2. PC Board Group and Dupe			